```
* * * * * * * * * *   Welcome to STN International   * * * * * * * * * * *

NEWS  1              Web Page URLs for STN Seminar Schedule - N. America
NEWS  2    Apr 08   "Ask CAS" for self-help around the clock
NEWS  3    Apr 09   BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS  4    Apr 09   ZDB will be removed from STN
NEWS  5    Apr 19   US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS  6    Apr 22   Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS  7    Apr 22   BIOSIS Gene Names now available in TOXCENTER
NEWS  8    Apr 22   Federal Research in Progress (FEDRIP) now available
NEWS  9    Jun 03   New e-mail delivery for search results now available
NEWS 10    Jun 10   MEDLINE Reload
NEWS 11    Jun 10   PCTFULL has been reloaded
NEWS 12    Jul 02   FOREGE no longer contains STANDARDS file segment
NEWS 13    Jul 22   USAN to be reloaded July 28, 2002;
                    saved answer sets no longer valid
NEWS 14    Jul 29   Enhanced polymer searching in REGISTRY
NEWS 15    Jul 30   NETFIRST to be removed from STN
NEWS 16    Aug 08   CANCERLIT reload
NEWS 17    Aug 08   PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18    Aug 08   NTIS has been reloaded and enhanced
NEWS 19    Aug 19   Aquatic Toxicity Information Retrieval (AQUIRE)
                    now available on STN
NEWS 20    Aug 19   IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21    Aug 19   The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22    Aug 26   Sequence searching in REGISTRY enhanced
NEWS 23    Sep 03   JAPIO has been reloaded and enhanced

NEWS EXPRESS   February 1 CURRENT WINDOWS VERSION IS V6.0d,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS     STN Operating Hours Plus Help Desk Availability
NEWS INTER     General Internet Information
NEWS LOGIN     Welcome Banner and News Items
NEWS PHONE     Direct Dial and Telecommunication Network Access to STN
NEWS WWW       CAS World Wide Web Site (general information)

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  * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * * * *



FILE 'HOME' ENTERED AT 19:32:57 ON 15 SEP 2002

=> file reg
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                           0.21          0.21

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STRUCTURE FILE UPDATES:   13 SEP 2002   HIGHEST RN 450944-74-8
DICTIONARY FILE UPDATES:  13 SEP 2002   HIGHEST RN 450944-74-8
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TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
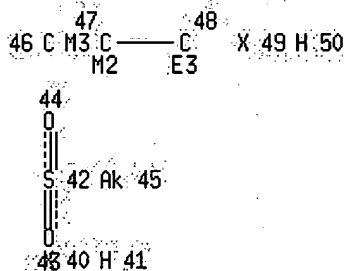http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L1 HAS NO ANSWERS
L1   STR
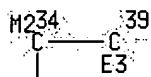
  M233   38
Page 1-B

     47   48
46 C M3 C ——— C   X 49 H 50
     M2   E3

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  O
  ‖
  S 42 Ak 45
  ‖
  O
  43 40 H 41
Page 1-D

     G1 @26

           G4 35

     @4
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@3
 C   5 C

Page 1-E
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31 C

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   27
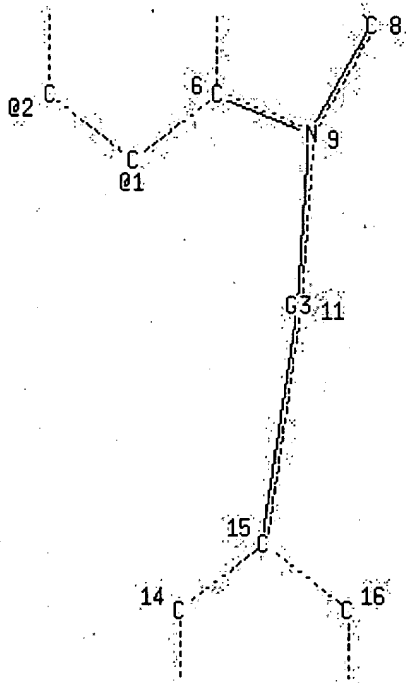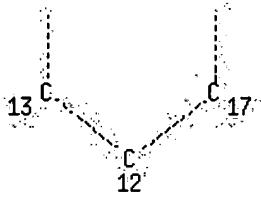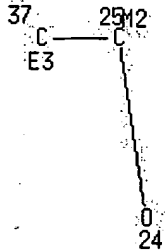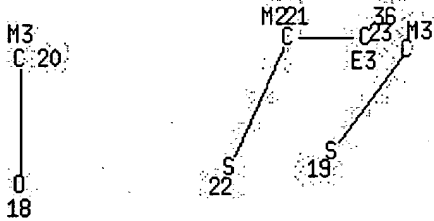Page 2-A
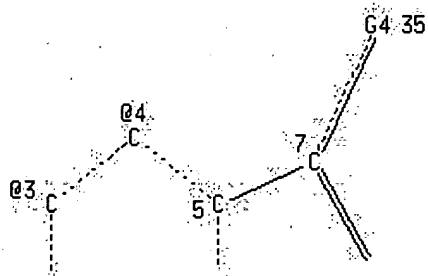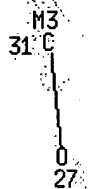
Page 2-B

Page 2-E

Page 3-B

Page 3-E

Page 4-D

Page 4-E
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VAR G4=46/47/49/50/27/28/29/30
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VPA 26-1/2/3/4 S
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HCOUNT   IS M2     AT   21
HCOUNT   IS M3     AT   23
HCOUNT   IS M2     AT   25
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HCOUNT   IS M2     AT   33
HCOUNT   IS M2     AT   34
HCOUNT   IS E3     AT   36
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HCOUNT   IS E3     AT   38
HCOUNT   IS E3     AT   39
HCOUNT   IS M3     AT   46
HCOUNT   IS M2     AT   47
HCOUNT   IS E3     AT   48
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NSPEC    IS R      AT    2
NSPEC    IS R      AT    3
NSPEC    IS R      AT    4
NSPEC    IS R      AT    5
NSPEC    IS R      AT    6
NSPEC    IS R      AT    7
NSPEC    IS R      AT    8
NSPEC    IS R      AT    9
NSPEC    IS C      AT   10
NSPEC    IS C      AT   11
NSPEC    IS R      AT   12
NSPEC    IS R      AT   13
NSPEC    IS R      AT   14
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NSPEC    IS C      AT  36
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NSPEC    IS C      AT  38
NSPEC    IS C      AT  39
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MLEVEL   IS CLASS  AT  10 18 19 20 21 22 23 24 25 27 28 29 30 31 32 33 34
                36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  50

STEREO ATTRIBUTES: NONE


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SAMPLE SCREEN SEARCH COMPLETED -  19618 TO ITERATE

  5.1% PROCESSED    1000 ITERATIONS                              0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **INCOMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:      383995 TO    400725
PROJECTED ANSWERS:              0 TO         0

L2              0 SEA SSS SAM L1

=>
L3        STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3               STR
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57

Page 1-B

Hy 62

58   59
C M3 C——C   X 60 H 61
   M2   E3

55
O
‖
S 53 Ak 56
‖
O
54 51 H 52

Page 1-C

G1 @26

G4 35

@4
C

@3
C   C   7
                  C

Page 1-D

M2 33   47
C——C
        E3

M3
31 C

O
27

O
28

M3
C 32

M2 34   48
C——C
        E3

Page 2-A

42
O
41 C ------ O 43

37 O

50 O

Page 2-C

@10 O M1

5
.G5 44
8
@2 C
6 C
N 9
C
@1

G3 11

15 C
14 C
C 16

Page 2-D

S 29

S 30

Page 3-A

C 38
36
39
N M1
S 40
O 49
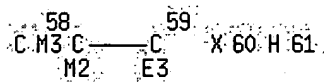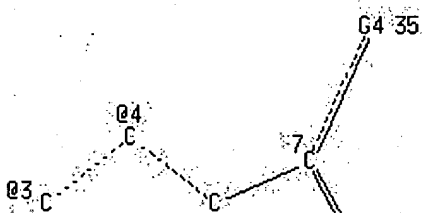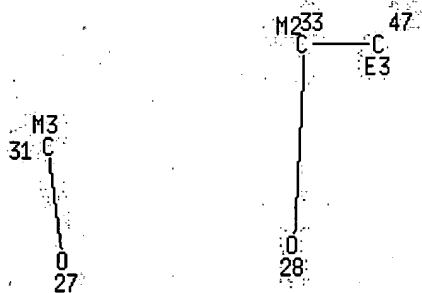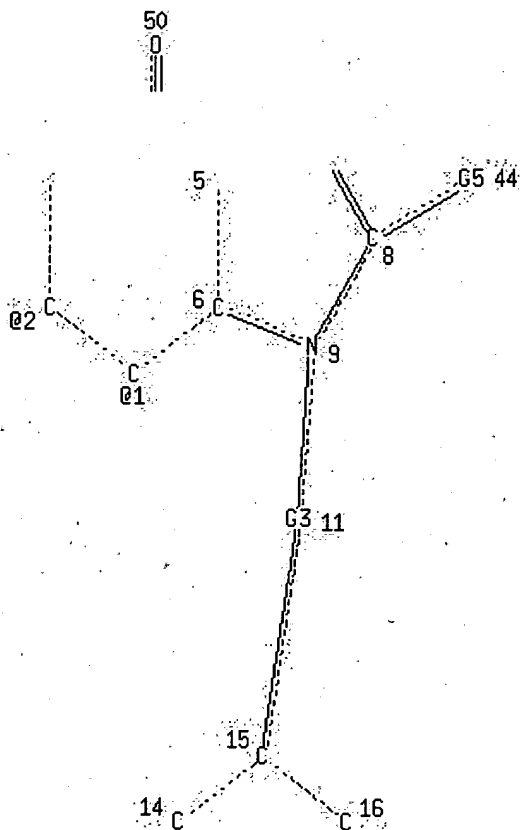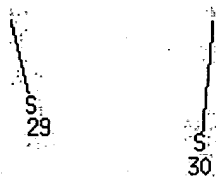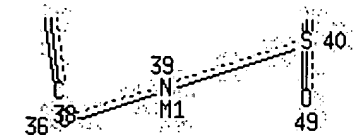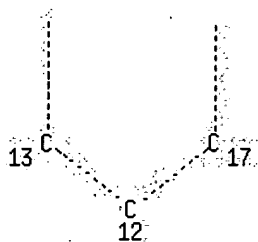
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Page 3-D
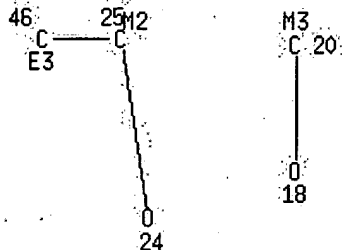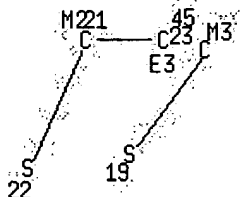
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Page 4-D
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VAR G4=57/58/60/61/27/28/29/30
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DEFAULT MLEVEL IS ATOM
MLEVEL   IS CLASS   AT   10 18 19 20 21 22 23 24 25 27 28 29 30 31 32 33 34
            36 37 38 39 40 41 42 43 45 46 47 48 49 50 51 52 53 54 55 56 57
            58 59 60 61 62
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS   62

STEREO ATTRIBUTES: NONE


=> s 13
SAMPLE SEARCH INITIATED 19:47:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   16315 TO ITERATE

  6.1% PROCESSED    1000 ITERATIONS                                    0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:      318666 TO    333934
PROJECTED ANSWERS:              0 TO         0
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```
L4              0 SEA SSS SAM L3

=> s 13 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 139.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 19:47:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 323719 TO ITERATE

 88.2% PROCESSED  285461 ITERATIONS                            7 ANSWERS

100.0% PROCESSED  323719 ITERATIONS                           7 ANSWERS
SEARCH TIME: 00.00.29

L5              7 SEA SSS FUL L3

=> file hcaplus
COST IN U.S. DOLLARS                          SINCE FILE     TOTAL
                                                ENTRY       SESSION
FULL ESTIMATED COST                            149.40       149.61

FILE 'HCAPLUS' ENTERED AT 19:48:14 ON 15 SEP 2002
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FILE COVERS 1907 - 15 Sep 2002  VOL 137 ISS 12
FILE LAST UPDATED: 13 Sep 2002  (20020913/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> s 15
L6              4 L5

=> s 16 and kettle, j?/au
             32 KETTLE, J?/AU
L7              0 L6 AND KETTLE, J?/AU

=> s 16 and faull, a?/au
             32 FAULL, A?/AU
L8              0 L6 AND FAULL, A?/AU

=> d 16, ibib abs fhitstr, 1-4

L6    ANSWER 1 OF 4   HCAPLUS   COPYRIGHT 2002 ACS
```

Full Text Citing References

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ACCESSION NUMBER:        1999:218959  HCAPLUS
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DOCUMENT NUMBER: 130:325062
TITLE: Cycloaddition reactions of furo[2,3-b]pyrroles
AUTHOR(S):   Sleziak, Robert; Krutosikova, Alzbeta
CORPORATE SOURCE: Department of Organic Chemistry, Faculty of Chemical
                       Technology, Slovak University of Technology,
                       Bratislava, SK-812 37, Slovakia
SOURCE: Collection of Czechoslovak Chemical Communications
                       (1999), 64(2), 321-328
                       CODEN: CCCCAK; ISSN: 0010-0765
PUBLISHER: Institute of Organic Chemistry and Biochemistry,
                       Academy of Sciences of the Czech Republic
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S):   CASREACT 130:325062
GI
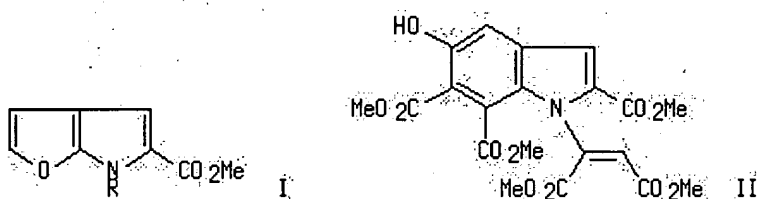
AB   Reactions of furo[2,3-b]pyrroles (I; R = H, Me, CH2Ph, CH2OMe) with di-Me
      butynedioate and Et propynoate were investigated. The reaction course is
      influenced by the substituents on the fused system. Products of
      [4+2]cycloaddn. to the furan ring, leading to indole derivs., have been
      obsd. In the case of the reaction of I (R = H) with di-Me butynedioate,
      products of [4+2]cycloaddn. to the furan ring as well as of Michael addn.
      to the pyrrole ring, leading to N-substituted indole deriv. II have been
      obsd.
IT **223715-21-7P**
      RL: SPN (Synthetic preparation); PREP (Preparation)
         (cycloaddn. reactions of furo[2,3-b]pyrroles)
RN   223715-21-7   HCAPLUS
CN   1H-Indole-2,6,7-tricarboxylic acid, 5-hydroxy-1-(phenylmethyl)-, trimethyl
      ester (9CI)   (CA INDEX NAME)
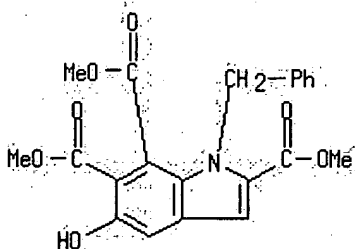
L6   ANSWER 2 OF 4   HCAPLUS   COPYRIGHT 2002 ACS

Full Text **Citing References**

ACCESSION NUMBER: 1998:568589   HCAPLUS
DOCUMENT NUMBER: 129:175653
TITLE: Preparation of benzenesulfonamides as elastase
                       inhibitors
INVENTOR(S):   Nakae, Takahiko; Kato, Masashi; Fujita, Takehito;
                       Kawabata, Kazuhito; Ohno, Hiroyuki
PATENT ASSIGNEE(S):   Ono Pharmaceutical Co., Ltd., Japan

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SOURCE:                        U.S., 150 pp.
                               CODEN: USXXAM
DOCUMENT TYPE:                 Patent
LANGUAGE:                      English
FAMILY ACC. NUM. COUNT:  2
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5795890	A	19980818	US 1996-718722	19960924
JP 09165365	A2	19970624	JP 1995-272058	19950927
JP 09278742	A2	19971028	JP 1996-271341	19960924
JP 2881688	B2	19990412		
JP 10251218	A2	19980922	JP 1998-111630	19960924
AU 9665837	A1	19970410	AU 1996-65837	19960925
AU 714025	B2	19991216		
ZA 9608069	A	19970520	ZA 1996-8069	19960925
NO 9604045	A	19970401	NO 1996-4045	19960926
CA 2186665	AA	19970328	CA 1996-2186665	19960927
US 5998410	A	19991207	US 1998-31192	19980226

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PRIORITY APPLN. INFO.:            JP 1995-272058    A  19950927
                                  JP 1996-45663     A  19960224
                                  JP 1996-271341    A3 19960924
                                  US 1996-718722    A3 19960924
OTHER SOURCE(S):        MARPAT 129:175653
GI
```

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB   The title compds. [I; R1 = C1-8 alkyl, C1-8 alkoxy, OH, etc.; n = 0-5; D =
      carbocyclic ring; R2, R3 = H, C1-4 alkyl, C1-4 alkoxy, etc.; R2R3 = C1-4
      alkylidene; CR2R3 = C3-7 cycloalkyl; R4 = C1-4 alkyl, C1-4 alkoxy; two of
      R4, attached to the benzene nucleus at ortho positions relative to each
      other, represent C3-5 alkylene; m = 0-4; R5, R6 = H, OH, C1-8 alkyl, etc.;
      NR5R6 = heterocyclyl] and their salts, which have an inhibitory effect on
      elastase and therefore are useful in the prevention and/or the treatment
      of emphysema, rheumatoid arthritis, atherosclerosis, adult respiratory
      distress syndrome (ARDS), glomerular nephritis, myocardial infarction,
      idiopathic ulcerative colitis, and gingivitis, were prepd. and formulated.
      Thus, treatment of the ester II (prepn. described) with CF3CO2H in
      CH2Cl2/MeOPh afforded the title compd. III.HCl which showed IC50 of 0.055
      μM against human polymorphonuclear elastase.

```
IT 190252-50-7P
      RL: BAC (Biological activity or effector, except adverse); BSU (Biological
      study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
      BIOL (Biological study); PREP (Preparation); USES (Uses)
         (prepn. of benzenesulfonamides as elastase inhibitors)
RN    190252-50-7  HCAPLUS
CN    1H-Indole-2-carboxylic acid, 5-hydroxy-1-[[3-methyl-4-[1-oxo-2-[4-(1-
      pyrrolidinyl)phenyl]butoxy]phenyl]sulfonyl]- (9CI)   (CA INDEX NAME)
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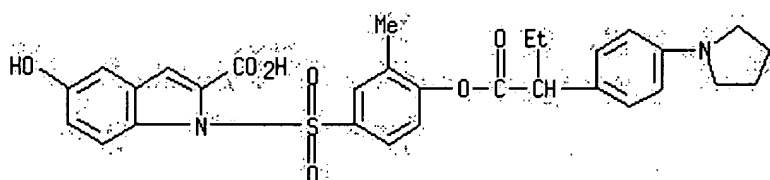

L6   ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2002 ACS

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Full     Citing
Text    References
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ACCESSION NUMBER: 1997:390578   HCAPLUS
DOCUMENT NUMBER: 127:5005
TITLE: Preparation of sulfamoylphenyl alkanoates as elastase
                           inhibitors
INVENTOR(S):   Nakae, Takahiko; Kato, Masashi; Fujita, Takehito;
                           Kawabata, Kazuhito; Ohno, Hiroyuki
PATENT ASSIGNEE(S):   Ono Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 270 pp.
                           CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

     PATENT NO.   KIND DATE   APPLICATION NO.   DATE
     ---------------   ---- --------   ---------------   --------
     EP 769498   A1   19970423   EP 1996-307048   19960927
         R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE
     JP 09165365   A2   19970624   JP 1995-272058   19950927
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     AU 9665837   A1   19970410   AU 1996-65837   19960925
     AU 714025   B2   19991216
     ZA 9608069   A   19970520   ZA 1996-8069   19960925
     NO 9604045   A   19970401   NO 1996-4045   19960926
     CA 2186665   AA   19970328   CA 1996-2186665   19960927
PRIORITY APPLN. INFO.:   JP 1995-272058   A   19950927
                                           JP 1996-45663   A   19960224
                                           JP 1996-271341   A3 19960924

OTHER SOURCE(S):   MARPAT 127:5005
GI
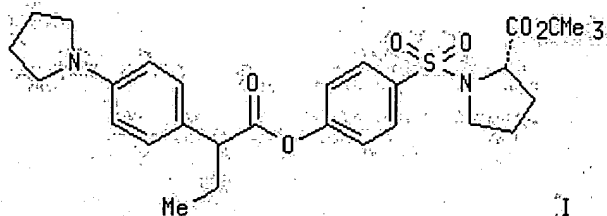
AB   R1CR2R3CO2ZSO2NR5R6 [I; R1 = (un)substituted carbocyclic or heterocyclic
      ring; R2,R3 = H, halo, alkyl, Ph, etc.; R2R3 = alkylidene or atoms to
      complete a carbocyclic ring; R5,R6 = H, OH, alkyl, etc.; NR5R6 =
      heterocyclyl; Z = (un)substituted 1,4-phenylene] were prepd. Thus,
      (S)-4-(tert-butoxycarbonyl-1-pyrrolidinylsulfonyl)-2-methylphenol was
      esterified by 2-(4-pyrrolidinophenyl)butanoic acid (prepn. each given) to
      give title compd. II. Data for biol. activity of I were given.
IT 190252-50-7P
      RL: BAC (Biological activity or effector, except adverse); BSU (Biological
      study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
      BIOL (Biological study); PREP (Preparation); USES (Uses)
         (prepn. of sulfamoylphenyl alkanoates as elastase inhibitors)
RN   190252-50-7   HCAPLUS
CN   1H-Indole-2-carboxylic acid, 5-hydroxy-1-[[3-methyl-4-[1-oxo-2-[4-(1-
      pyrrolidinyl)phenyl]butoxy]phenyl]sulfonyl]- (9CI)   (CA INDEX NAME)
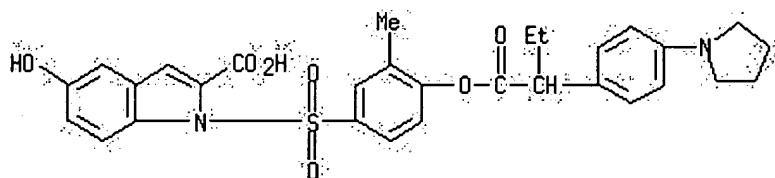
L6   ANSWER 4 OF 4   HCAPLUS   COPYRIGHT 2002 ACS

Full Text   Citing References

|	
ACCESSION NUMBER:	1992:651251 HCAPLUS
DOCUMENT NUMBER:	117:251251
TITLE:	Substituted 4-benzylfuro[3,2-b]pyrroles
AUTHOR(S):	Krutosikova, Alzbeta; Hanes, Mikulas
CORPORATE SOURCE:	Dep. Org. Chem., Slovak Tech. Univ., Bratislava, 812 37, Czech.
SOURCE:	Collect. Czech. Chem. Commun. (1992), 57(7), 1487-94 CODEN: CCCCAK; ISSN: 0010-0765
DOCUMENT TYPE:	Journal
LANGUAGE:	English
GI	
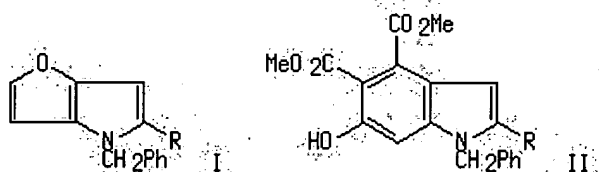
AB   Prepn. of 4-benzylfuro[3,2-b]pyrroles is described and their reactions with selected dienophiles are discussed. Utilization of 4-acetylfuro[3,2-b]pyrroles for prepn. of 4-substituted derivs. of furo[3,2-b]pyrrole and the synthesis of Et 4-(2- and 4-nitrobenzyl)furo[3,2-b]pyrrole-5-carboxylates for fusing to a 1,4-diazepine system is presented. Thus, Et furo[3,2-b]pyrrole-5-carboxylate reacted with PhCH2Cl to give the benzyl deriv. I (R = CO2Et). I (R = CO2Et) was hydrolyzed to give the acid; and the acid was further decarboxylated. I (R = CO2Et, H) underwent cycloaddn. to MeO2CC≡CCO2Me to give indoledicarboxylates II.

IT **144658-74-2P**
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (prepn. of)
RN   144658-74-2   HCAPLUS
CN   1H-Indole-2,4,5-tricarboxylic acid, 6-hydroxy-1-(phenylmethyl)-, 2-ethyl 4,5-dimethyl ester (9CI)   (CA INDEX NAME)
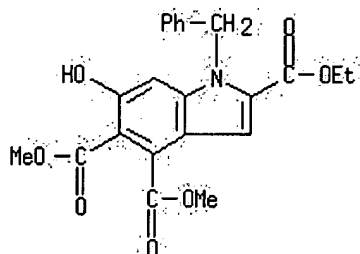
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FULL ESTIMATED COST                                     21.83        171.44


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                                                        ENTRY        SESSION
CA SUBSCRIBER PRICE                                     -2.48         -2.48

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FILE LAST UPDATED:  01 May 1997 (19970501/UP)

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   assignees, and patent information, e.g., patent numbers, are
   now searchable from 1907-1966.  TIFF images of CA abstracts
   printed between 1907-1966 are available in the PAGE
   display formats.

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L3               STRUCTURE UPLOADED
L4            0 S L3
L5            7 S L3 FULL


       FILE 'HCAPLUS' ENTERED AT 19:48:14 ON 15 SEP 2002
L6            4 S L5
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L8            0 S L6 AND FAULL, A?/AU


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L9            0 L5


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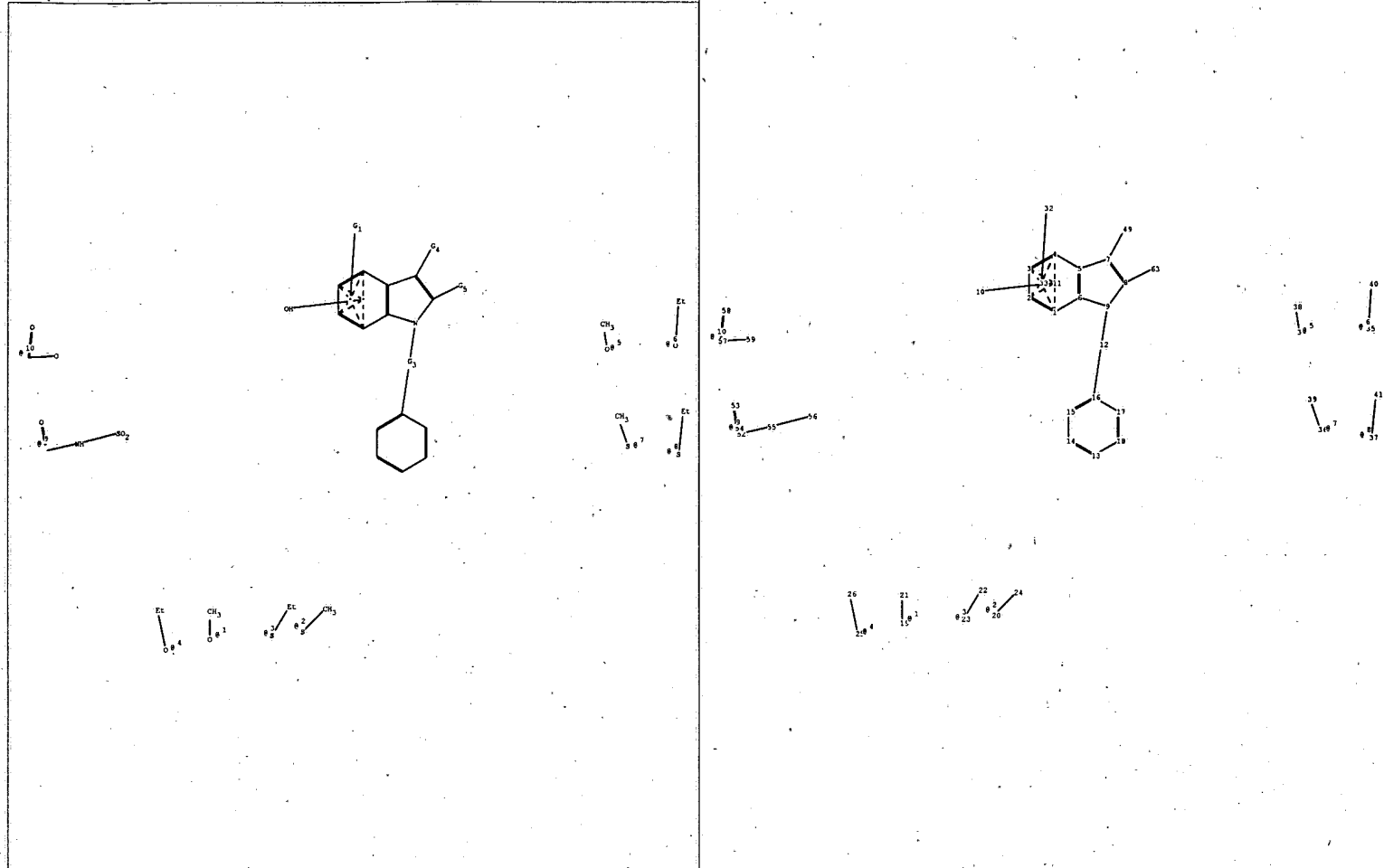
chain nodes :
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    54 55 56 57 58 59 63
ring nodes :
    1 2 3 4 5 6 7 8 9 13 14 15 16 17 18
chain bonds :
    7-49 8-63 9-12 12-16 19-21 20-24 22-23 25-26 34-38 35-40 36-39 37-41 52-55
    53-54 55-56 57-59 57-58
ring bonds :
    1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 13-14 13-18 14-15 15-16 16-17
    17-18
exact/norm bonds :
    6-9 7-49 8-9 8-63 9-12 12-16 52-55 53-54 55-56 57-59 57-58
exact bonds :
    5-7 7-8 19-21 20-24 22-23 25-26 34-38 35-40 36-39 37-41
normalized bonds :
    1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18
isolated ring systems :
    containing 1 : 13 :

G1:X,H,[*1],[*2],[*3],[*4]

G3:SO2,Ak

G4:CH3,Et,X,H,[*5],[*6],[*7],[*8]

G5:Hy,[*9],[*10]

Match level :
    1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
    11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
    20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 32:CLASS 33:CLASS
    34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS 41:CLASS 49:CLASS
    52:CLASS

53:CLASS   54:CLASS   55:CLASS   56:CLASS   57:CLASS   58:CLASS   59:CLASS   63:CLASS